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UPGRADING EDR V1.3 MONITORING PLANS USING MDC v3.0

Step 1: On the main menu, go to File and choose "Import EDR file." Locate and select your EDR v1.3 monitoring plan file. You will be prompted to indicate whether to import just monitoring plan data (the default setting), just test data, or both. Click OK to import just the monitoring plan data.

Step 2: During import, you will be prompted to indicate the program(s) to which each unit is subject. Note that you can choose only one of the following three program codes: NBP, SUBH or OTC-SUBH. This step creates a partial RT 505 for each unit.

Step 3: MDC will create an "EDR Import Report." Print out a hard copy and, if you wish, save the electronic file for future reference. The import report will identify any data that could not imported (duplicates or conflicting data) and will describe any changes made by MDC during import. Review this report.

Step 4: On the main menu, go to Edit and choose "Monitoring Plan Data." Select the plant from the list. Double click to go to the monitoring plan facility data (or click on the Facility button).

Step 5: Fill out the new fields for the Facility in RT 102:

- State
- County
- State Facility ID (if NBP or SUBH and if known)
- AIRS ID (if known)
- EPA Facility ID (if known)
- Latitude
- Longitude
- Primary SIC Code
- Source Category

Step 6: Click on the Units button.

(a) The top window on this screen is RT 504. Fill out the new fields required for each unit:

- First commercial operation date
- Max hourly heat input
- Stack exit height
- Stack base elevation
- Area at stack exit
- Area at flow monitor (if flow monitors are used)

(b) RT 505: Complete the partial record by entering the reporting frequency and program date for each unit.

(c) RT 506: Add one record for each unit.

(d) RT 507: Add RT 507 if the unit is gas-fired (per Part 72 definition) and add RT 507 if the unit is a peaking unit.

(e) RT 585: Complete the partial methodology records for SO2, NOx, CO2 and opacity by providing the start dates, missing data approach and fuel types. Add a methodology record for heat input. (NOx Budget Units: Do not add a RT 585 for parameter NOXM unless you are calculating NO_x mass directly from NO_x concentration and stack flow (in which case you will need to add a NO_x concentration system (parameter NOXC) in RTs 510.)

(f) RT 586: If the unit has controls, check to be sure the imported information is complete and accurate.

(g) RT 587: Fill in the start date for each fuel. Check to be sure the imported fuel type information is complete and accurate.

Step 7: If the facility has a common or multiple stacks, click on the Stacks button. Provide the following new information:

- Stack exit height
- Stack base elevation
- Area at stack exit
- Area at flow monitor (if flow monitors are used)

Check to be sure all other imported information is accurate.

Step 8: Click on the Monitoring button. For each unit/stack or pipe, update RTs 510 - 540.

(a) RT 510: Go to the components tab. If you are using an O2 monitor, edit that component and select the applicable new component type code to replace "O2." If you have dual range monitors, either create an additional component ID for the second range and identify the components with the appropriate new component type codes (e.g., NOXH and NOXL) or change the existing single component to the new component type code for a dual or autoranging monitor (e.g., NOXA).

(b) RT 510: Go to the systems tab. Edit each system and add the appropriate first reporting date. If you created an additional component for a dual range analyzer, edit the applicable system, click the "Edit List" button on the "Associated Components" tab and click to the left of the new component to add it to the system.

(c) RT 520: For NBP units, change the NO_x mass formula code from F-10A to F-24. (There may also be other formula codes that have to be changed. Consult the EDR 2.1 reporting instructions.)

(d) RT 530: For flow systems, complete the new fields for span and range information in units of scfh. For CO_2 systems, enter MPC.

(e) RT 536: For CEMS and some App D units, enter information on upper and lower operating range. Consult the revised Part 75 and EDR v2.1 instructions.

(f) RT 560. For Appendix E units, delete NOx segment formulas from RT 520 and add RTs 560 segment information. Note that if you have the EDR-formatted Appendix E test data used to determine those segments, you can import that data into MDC and automatically generate RTs 560 from the test data entry screen.

Step 9: For each unit, stack or pipe, click on the evaluation button to view a report of other errors or missing information. For any numbered error message, use the helpfile in the MDC software for a description of the analysis used to identify the specific error. Also consult the general RT instructions in the helpfile.

Step 10: After consulting the instructions and error specification, correct the problem. Rerun the evaluation report until all problems have been addressed.